EOC – 3220 EXT

Wireless Bridge/Client Router/AP/Repeater

2.4 GHz	802.11 b/g	54 Mbps

The Wireless Bridge/Client Router/Access Point/Repeater operates seamlessly in the 2.4 GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) and faster 802.11g (2.4GHz, 54Mbps) wireless standards.

EOC-3220 EXT has high transmitted output power and high receivable sensitivity. High output power and high sensitivity can extend range and coverage to reduce the roaming between APs to get more stability wireless connection. It also can reduce the expense of equipment in the same environment.

To protect your wireless connectivity, it can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2/802.1x. User isolation function can protect the private network between client users.

The MAC addresses filter and IP/MAC tunneling lets you select exactly which stations should have access to your network.

Features	Benefits
High Speed Data Rate Up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming
High Output Power up to 26dBm	Excellent output power spreads the operation distance
IEEE 802.11b/g Compliant	Fully Interoperable with IEEE 802.11b/IEEE802.11g compliant devices
Watertight and Weatherproof	Avoid water invaded and weather corroded for outdoor environment
SNMP Remote Configuration Management	Help administrators to remotely configure or manage the Access Point easily.
Point-to-point, Point-to-multipoint Wireless Connectivity	Let users transfer data between two buildings or multiple buildings
WPA2/WPA/ IEEE 802.1x support	Powerful data security
Hide SSID (AP Mode)	Avoids unallowable users sharing bandwidth, increases efficiency of the network
DHCP Client/ Server	Simplifies network administration
WDS (Wireless Distributed System)	Make wireless AP and Bridge mode simultaneously as a wireless repeater
Universal Repeater	The easiest way to expand your wireless network's coverage
MAC address filtering (AP mode)	Ensures secure network connection
User isolation support (AP mode)	Protect the private network between client users.
PPPoE function support (CR mode)	Easy to access internet via ISP service authentication
Power-over-Ethernet (IEEE802.3af)	Flexible Access Point locations and cost savings
Keep personal setting	Keep the latest setting when firmware upgrade

EnGenius Networks Singapore Pte Ltd
215 Henderson Road #01-04 Henderson Industrial Park Singapore 159554
Tel: +65-62271088 Fax: +65-62272766
Website: www.engeniustech.com.sg Email: inquiry@engeniustech.com.sg

EOC – 3220 EXT

Wireless Bridge/Client Router/AP/Repeater

2.4 GHz	802.11 b/g	54 Mbps

Technical Specifications

Data Rates
1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps

Standards
IEEE802.11b/g, IEEE802.1x, IEEE802.3, IEEE802.3u

Compatibility
IEEE 802.11g/ IEEE 802.11b

Power Requirements
Active Ethernet (802.3af) – 48 VDC/0.375A

Regulation Certifications
FCC Part 15/UL, ETSI 300/328/CE

RF INFORMATION

Frequency Band
2.400～2.484 GHz

Media Access Protocol
Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology
Orthogonal Frequency Division Multiplexing (OFDM)
DBPSK @ 1Mbps
DQPSK @2Mbps
CCK @ 5.5 & 11Mbps
BPSK @ 6 and 9 Mbps
QPSK @ 12 and 18 Mbps
16-QAM @ 24 and 36 Mbps
64-QAM @ 48 and 54 Mbps

Operating Channels
11 for North America, 14 for Japan, 13 for Europe,
2 for Spain, 4 for France

Receive Sensitivity (Typical)
802.11g:
-88dBm @ 6Mbps
-70dBm @ 54Mbps
802.11b:
-92 dBm @ 1Mbps
-85 dBm @ 11Mbps

Available transmit power (Typical)
- 2.412~2.472G(IEEE802.11g)

  Up to 26dBm @ 1~24Mbps
  23dBm @ 36Mbps
  21dBm @ 48Mbps
  20dBm @ 54Mbps
- 2.412~2.472G(IEEE802.11b)

  Up to 26dBm. @1 ~ 11Mbps

RF Connector
SMA (Fr) Type

NETWORKING

Topology
Ad-Hoc, Infrastructure

Operation Mode
Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS

Interface
- Wireless IEEE802.11b/g
- One 10/100 RJ-45 port
- RS232 connector

Security
- IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS) Support in AP Mode
- WPA /WPA2
- MAC address filtering
- Hide SSID in beacons
- User isolation
- NAT in CR mode

IP Auto-configuration
DHCP client/server

MANAGEMENT

Configuration
- Web-based configuration (HTTP)
- SNMP V1, V2c
- Telnet

Firmware Upgrade
Upgrade firmware via web-browser

PHYSICAL

Dimensions
163.8(L)mm * 135.2(W)mm * 47.0(H)mm

Weight
1.2 Kg (2.6 lbs)

ENVIRONMENTAL

Temperature Range
Operating: 0°C to 65°C (32°F to 149°F)
Storage: -20°Cto 80°C (-4°F to 176°F)

Humidity (non-condensing)
5%~95% Typical

Package Contents
- Outdoor Wireless Client Bridge unit
- 48V, 0.375A AC/DC adapter with wall-plug power code
- 5dBi SMA antenna.
- Inline Power Injector (PoE)
- 1.8m Grounding Cable
- User's manual CD-ROM
- Wall mounting kit
- Mast mounting kit
- Waterproof kit

Related Product(s)
11a/b/g High-power Wireless USB Adapter
EUB-362 Series (802.11b/g)
EUB-862 Series (802.11a/b/g)
11b/g Indoor AP-Client
ECB-3220 (802.11g)
11a/b/g Outdoor AP-Client
EOC-8610 Series (802.11a/g)
11a/b/g Indoor AP-Client
ECB-8610 (802.11a/g)

*** *Subject to change without prior notice*

EnGenius Networks Singapore Pte Ltd
215 Henderson Road #01-04 Henderson Industrial Park Singapore 159554
Tel: +65-62271088 Fax: +65-62272766
Website: www.engeniustech.com.sg Email: inquiry@engeniustech.com.sg